



7B6

TWIN DIODE—HIGH-MU TRIODE

7B6

GENERAL DATA

Electrical:

Heater, for Unipotential Cathode:

Voltage. 6.3[□] ac or dc volts

Current. 0.3^{□□} amp

Direct Interelectrode Capacitances—Triode Unit:[○]

Grid to Plate. 1.6 μf

Grid to Cathode. 3.0 μf

Plate to Cathode. 2.4 μf

[○] With external shield connected to cathode.

Mechanical:

Mounting Position Any

Maximum Overall Length 2-25/32"

Maximum Seated Length. 2-1/4"

Maximum Diameter 1-3/16"

Bulb T-9

Base Lock-in 8-Pin

Basing Designation for BOTTOM VIEW 8W

Pin 1—Heater

Pin 2—Triode Plate

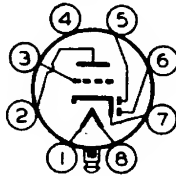
Pin 3—Triode Grid

Pin 4—Internal

Connection

Pin 5—Diode Plate

No. 2



Pin 6—Diode

Plate No. 1

Pin 7—Cathode,

Internal

Shield

Pin 8—Heater

Plug—Base Shell

TRIODE UNIT

AMPLIFIER—Class A₁

Maximum Ratings, Design-Center Values:

PLATE VOLTAGE. 300 max. volts

PEAK HEATER-CATHODE VOLTAGE:

Heater negative with respect to cathode. 90 max. volts

Heater positive with respect to cathode. 90 max. volts

Typical Operation and Characteristics:

Plate Voltage. 100 250 . . . volts

Grid Voltage -1 -2 . . . volts

Amplification Factor 100 100

Plate Resistance 110000 91000 . . . ohms

Transconductance 900 1100 . . . μmhos

Plate Current. 0.4 0.9 . . . ma.

DIODE UNITS—Two

Consideration of these units, including typical circuits and diode curves, is given at the front of this Section.

[□] Nominal voltage = 7.0 volts.

^{□□} Nominal current = 0.32 ampere.

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DATA